

ABSTRACT

Noxious organism-controlling agent of the present invention is effective to pests that have acquired a resistance to conventional Bt agents and has activity on Coleoptera pests of which only several kinds have been reported.

Also, a novel microbe Bacillus thuringiensis serovar galleriae SDS502 strain having an ability of producing a toxic protein that can serve as an active ingredient of a noxious organism-controlling agent or a protein having a pesticidal activity produced by the strain, a protein having an amino acid sequence obtainable from the amino acid sequence of the protein by addition, deletion or substitution of a plurality of amino acids and having similar pesticidal activity, a DNA encoding the protein having pesticidal activity, a microbe transformed with the DNA, a plant transformed with the DNA and its seed, as well as a noxious organism-controlling agent and method are disclosed.